

LL36X2

LL54X2

Line LED LL series double row is a small profile high performance LED strip. The durable, but flexible products feature a heavier copper board core for better heat dissipation and even illumination over long runs.

Available in double row configurations ranging from 72 to 108 LEDs per foot with multiple power feed and connector options. Line LED LL series double row feature outstanding color consistency with single binning and CRI up to 98.

Mounting

LED strip is equipped with 3M self-adhesive tape.

Applications

Indoor only - above and below cabinets, cove lighting, counter accent, architectural reveals, under banister, display and book cases, etc.

Approvals

Class 2 damp listed

Operating voltage

24 VDC

Average life

50,000 hours

Warranty

5 years



Technical information

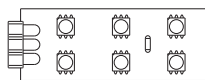
MODEL	LL36X2	LL54X2
LEDS/ft	72	108
Light output 3000K	493 lum/ft	841 lum/ft
Average power consumption (for 15' section)	6.0 W/ft	10.0 W/ft
Ordering increment	1.00"	1.3"
Pitch length	0.33"	0.22"
Maximum run length (in series)	16 ft	10 ft
Dimensions	0.59" W 0.07" H	0.63" W 0.09" H

CCT INFO/LUMEN MULTIPLIER

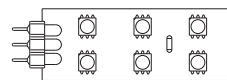
Color temperature	Multiplier <small>(referenced from 3000K)</small>	TM-30-15		
		CRI	R _f	R _g
2200K	0.87	82	81	99
2400K	0.73	98	95	101
2700K	0.81	98	95	102
2900K	0.86	97	95	102
3000K	1.00	91	90	101
3500K	1.05	95	90	97
4100K	1.28	93	88	96

SECTION START/END OPTIONS

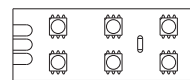
Female connector



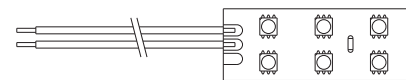
Male connector



No connector



Soldered leads (72")

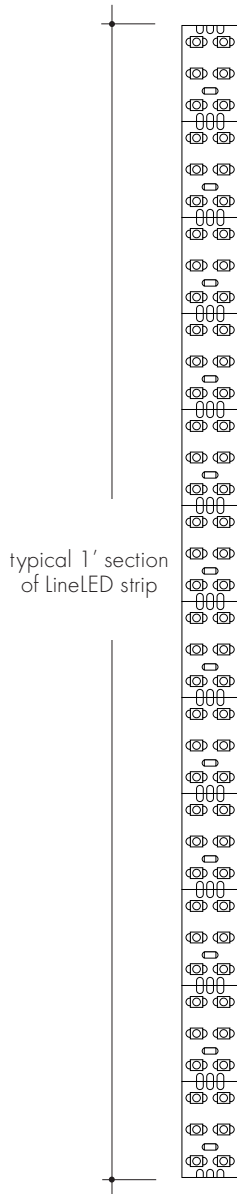


Ordering code

MODEL	COLOR TEMPERATURE	SECTION START	SECTION END	LENGTH
LL36X2	22K - 2200K	F - Female connector	F - Female connector	view table above for increment options and maximum run limits
LL54X2	24K - 2400K	M - Male connector	M - Male connector	
	27K - 2700K	*SL - Soldered lead wires (72")	*SL - Soldered lead wires (72")	
	29K - 2900K			
	30K - 3000K	NC - No connector	*NC - No connector	
	35K - 3500K			
	41K - 4100K			

*LL54X2 only available in this option

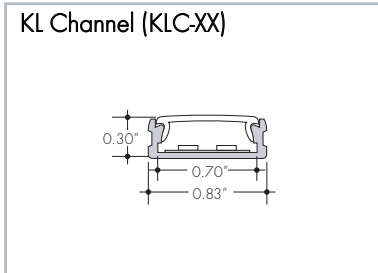
Power consumption per linear foot - loads tested with PSD series of power supplies (page4)



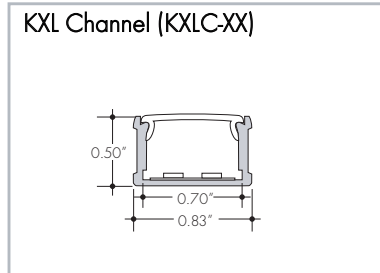
Length of strip (LF)	LL36X2		LL54X2	
	W/ft	Total wattage	W/ft	Total wattage
1	6.80	6.80	10.80	10.80
2	6.75	13.50	10.60	19.80
3	6.65	19.95	10.30	30.90
4	6.55	26.20	10.28	41.10
5	6.40	32.00	10.25	51.60
6	6.30	37.80	10.30	63.20
7	6.20	43.40	10.10	72.10
8	6.10	48.80	9.90	79.40
9	6.00	54.00	9.80	88.10
10	6.95	69.50	9.70	96.00
11	5.85	64.35		
12	5.80	69.60		
13	5.75	74.75		
14	5.75	80.50		
15	5.70	85.50		
16	5.70	91.20		

Lens options / light transmission percentage per lens

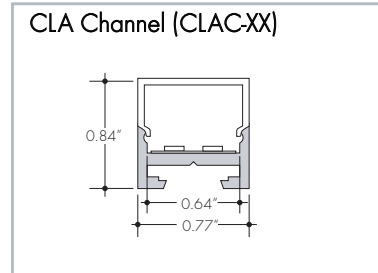
- | | | | | | |
|------------------|------------------------------|-----------------|---------------------------------|---------------------------------|---------------------------------|
| C Clear | HF Half (50%) Frosted | G Graze | SI Satin Ice | S Square Frosted | Q Rounded Square Frosted |
| F Frosted | M Medium beam frosted | R Raised | C36 Clear 36° beam angle | C10 Clear 10° beam angle | |



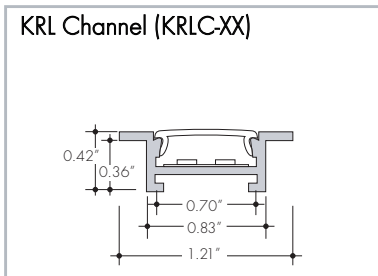
- | | | |
|----------|----------|-----------|
| C | F | HF |
| 83% | 55% | 68% |



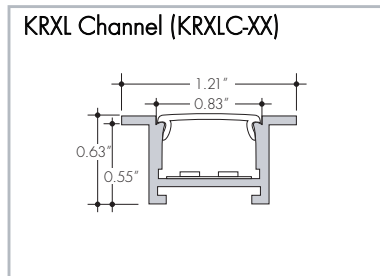
- | | | |
|----------|----------|-----------|
| C | F | HF |
| 74% | 46% | 61% |



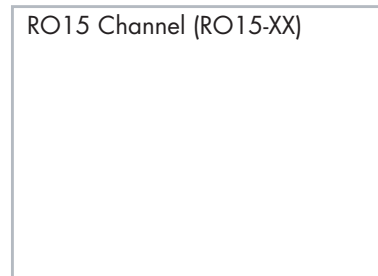
- | | |
|----------|----------|
| S | Q |
| 62% | 63% |



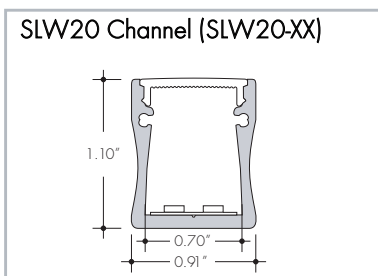
- | | | |
|----------|----------|-----------|
| C | F | HF |
| 83% | 55% | 68% |



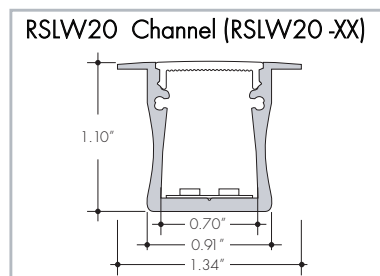
- | | | |
|----------|----------|-----------|
| C | F | HF |
| 74% | 46% | 61% |



- | | |
|----------|----------|
| C | F |
| 91% | 57% |



- | | | |
|----------|----------|-----------|
| C | F | HF |
| 74% | 46% | 61% |



- | | | |
|----------|----------|-----------|
| C | F | HF |
| 74% | 46% | 61% |

Installation

All mounting channels are field cuttable using miter saw with circular blade suitable for cutting aluminum.

Ordering

Extrusions are sold separately. View respective specsheets for details on ordering extrusions and their accessories (endcaps, mounting brackets, etc).

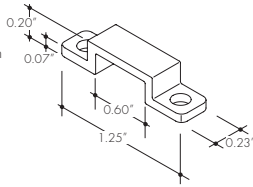
Discontinued Extrusion Reference Link

<https://www.luminii.com/media/4351/extrusion-update-02.pdf>

Accessories

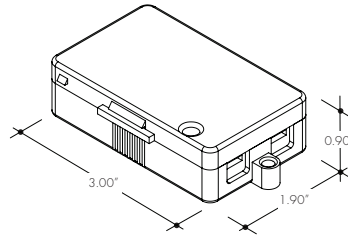
Mounting clip:
recommended at every 12" when
LineLED strip is facing down.

Part # CL2



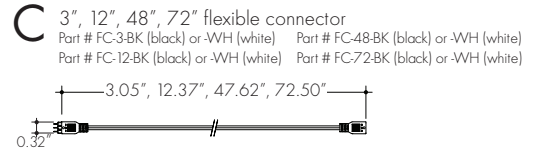
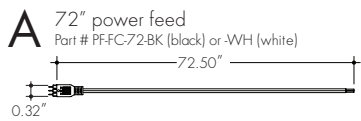
Splice Box:
low voltage, 4 terminal
splice box, black.

Part # LVSP-4T-BK

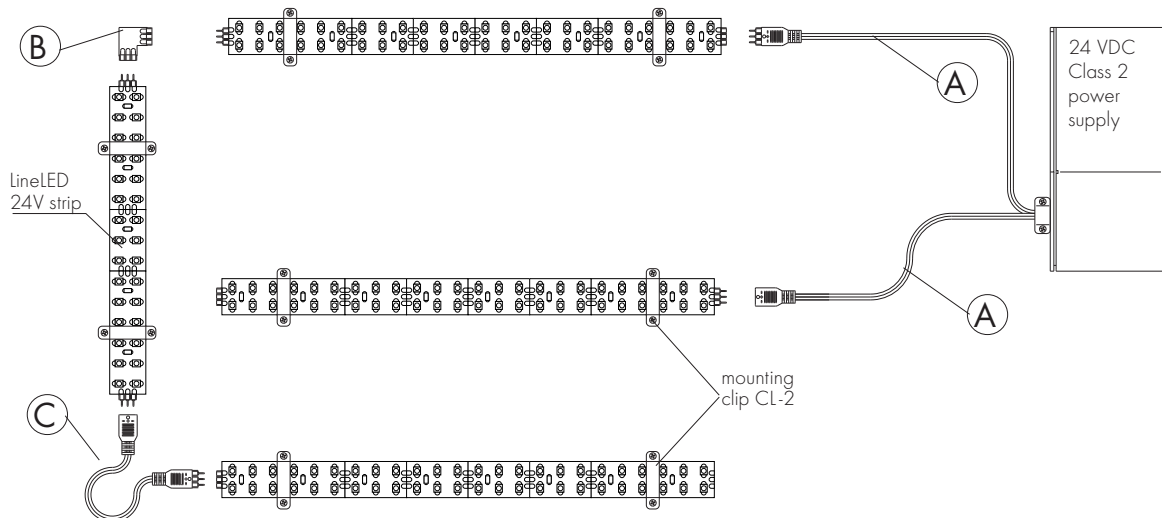


Connectors

3-pin connectors (will not work with LL54X2)

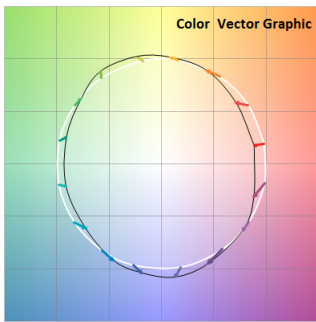


Sample layout with connectors



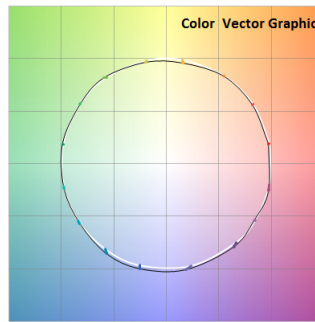
TM-30-15: Data

22K CCT



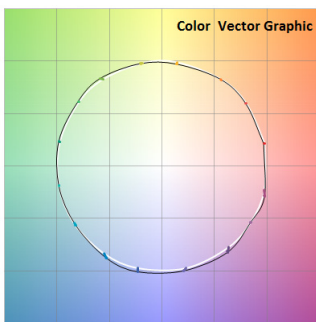
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	79	-10%	0%
2	79	-8%	8%
3	70	-2%	14%
4	85	2%	8%
5	90	5%	5%
6	90	6%	-3%
7	84	-2%	-8%
8	89	-6%	-4%
9	85	-6%	3%
10	78	-6%	11%
11	77	2%	14%
12	79	6%	9%
13	88	8%	-7%
14	67	4%	-20%
15	84	0%	-10%
16	75	-7%	-14%

24K CCT



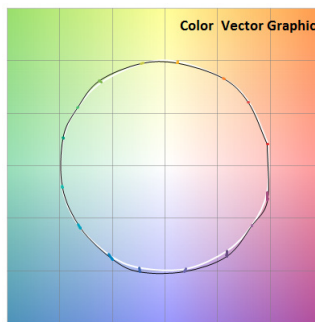
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	97	-1%	0%
2	97	-1%	0%
3	97	0%	1%
4	95	-3%	-1%
5	96	-1%	2%
6	96	1%	3%
7	97	0%	1%
8	98	1%	0%
9	97	0%	2%
10	95	0%	3%
11	93	3%	4%
12	93	3%	1%
13	93	3%	-6%
14	92	2%	-4%
15	95	-1%	-1%
16	91	0%	-6%

27K CCT



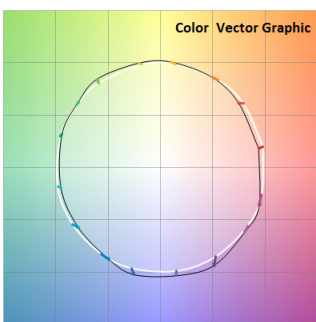
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	97	-1%	0%
2	98	0%	0%
3	96	0%	1%
4	96	-2%	0%
5	96	0%	2%
6	95	2%	2%
7	96	1%	0%
8	98	1%	-1%
9	98	0%	1%
10	95	0%	3%
11	92	2%	5%
12	93	3%	1%
13	95	2%	-3%
14	93	3%	-3%
15	96	0%	-1%
16	91	1%	-6%

29K CCT



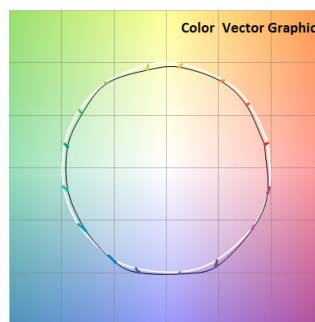
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	79	-10%	0%
2	79	-8%	8%
3	70	-2%	14%
4	85	2%	8%
5	90	5%	5%
6	90	6%	-3%
7	84	-2%	-8%
8	89	-6%	-4%
9	85	-6%	3%
10	78	-6%	11%
11	77	2%	14%
12	79	6%	9%
13	88	8%	-7%
14	67	4%	-20%
15	84	0%	-10%
16	75	-7%	-14%

30K CCT



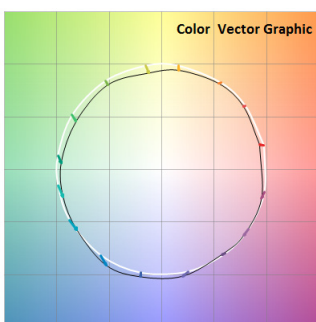
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	90	-4%	-1%
2	91	-4%	3%
3	86	-1%	7%
4	91	1%	5%
5	92	2%	3%
6	93	4%	-1%
7	92	0%	-4%
8	95	-1%	-2%
9	94	-3%	1%
10	87	-3%	6%
11	84	0%	10%
12	88	6%	4%
13	92	4%	-1%
14	88	6%	-6%
15	89	1%	-7%
16	85	0%	-11%

35K CCT



Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	91	-4%	0%
2	93	-3%	0%
3	92	-2%	2%
4	92	-3%	1%
5	91	-5%	1%
6	96	-1%	1%
7	92	-4%	1%
8	93	-3%	2%
9	90	-4%	5%
10	83	-3%	10%
11	83	2%	10%
12	89	3%	4%
13	95	2%	-1%
14	90	5%	-4%
15	90	1%	-5%
16	88	0%	-6%

41K CCT



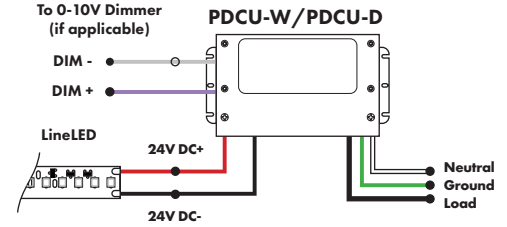
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	88	-4%	1%
2	93	-2%	1%
3	93	-2%	1%
4	89	-4%	-2%
5	88	-7%	-1%
6	93	-4%	0%
7	88	-7%	3%
8	87	-4%	6%
9	82	-3%	12%
10	79	0%	12%
11	83	5%	9%
12	91	4%	0%
13	89	3%	-6%
14	92	-1%	-3%
15	84	0%	-7%
16	84	-1%	-6%

Power Supplies

See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

Universal Power Supply 1% 120VAC - 277VAC

MODEL	POWER	OUTPUT
PDCU-D - IP20 Dry Series	30 - 30 W 60 - 60 W 96 - 96 W 3X96 - 3X96 W	24 - 24 VDC
PDCU-W - IP66 Wet Series	96 - 96 W 3X96 - 3X96 W	

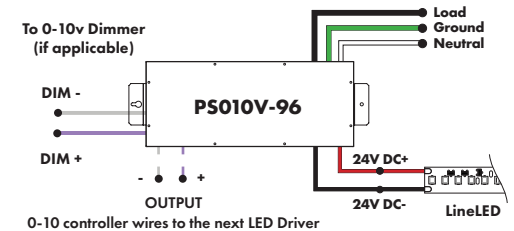


0-10V dims down to 1%, MLV/ELV/TRIAC dims down to 1%.
For a complete list of compatible dimmers, see [Compatible Dimming Chart](#) on the Resources page.

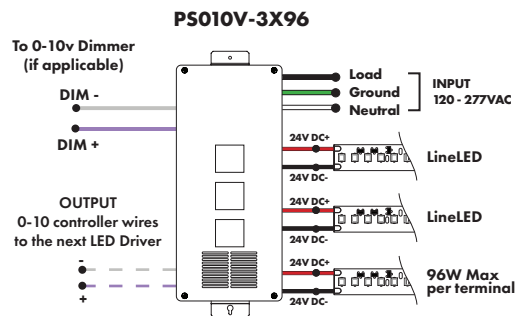
MODELS	PDCU-W 96W	PDCU-W 3X96W	PDCU-D 30W	PDCU-D 60W	PDCU-D 96W	PDCU-D 3X96W
Length	8.66"	11.85"	6.10"	7.93"	8.25"	9.57"
Width	3.73"	4.32"	3.35"	3.35"	4.10"	5.94"
Depth	1.61"	1.81"	1.33"	1.32"	1.56"	1.13"

0-10V Dimming Power Supplies 0.1% 120VAC - 277VAC

MODEL	POWER	OUTPUT	DIMMING
PS010V - 0-10V Power Supply dims down to 0.1%	96 - 96 Watt 3X96 - 3 X 96 Watt	24 - 24 VDC	LIN - Linear LOG - Logarithmic



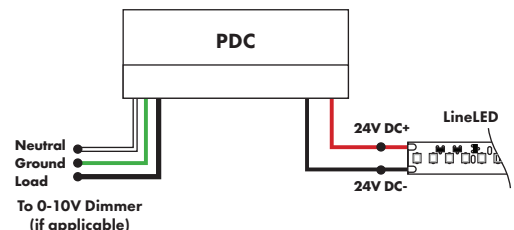
MODELS	96W	3X96
Length	14.40"	15.75"
Width	5.20"	6.62"
Depth	2.60"	4.95"



Triac, MLV, ELV, & PWM Compatible Dimmers

MODEL	POWER	OUTPUT
PDC - (IP20) Power Supply	96 - 96 Watts	24 - 24 VDC

MODELS	96W
Length	8.25"
Width	4.10"
Depth	1.56"



Power Supplies

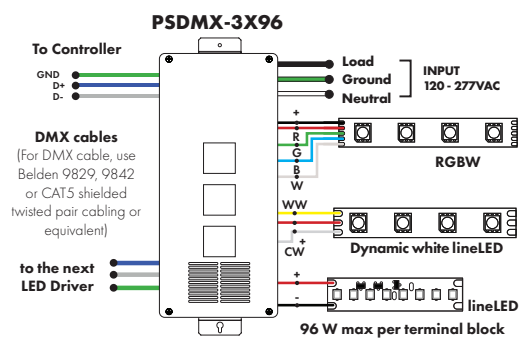
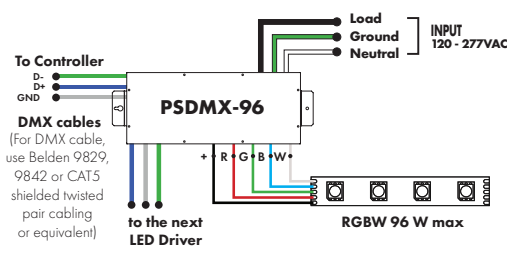
See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

DMX Dimming Power Supplies 120VAC - 277VAC

MODEL	POWER	OUTPUT
PSDMX - DMX Power Supply dims down to 0%	96 - 96 Watt 3X96 - 3 X 96 Watt	24 - 24 VDC

Features eldoLED's LINEARdrive configurable dimmable drivers

MODELS	96W	3X96
Length	14.40"	15.75"
Width	5.20"	6.62"
Depth	2.60"	4.95"

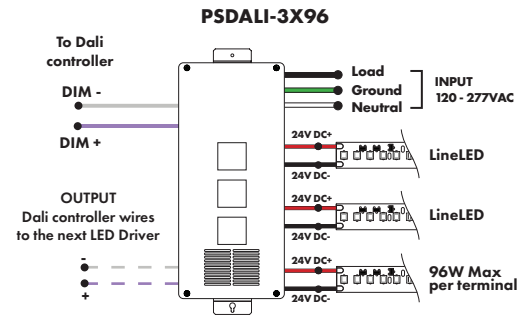
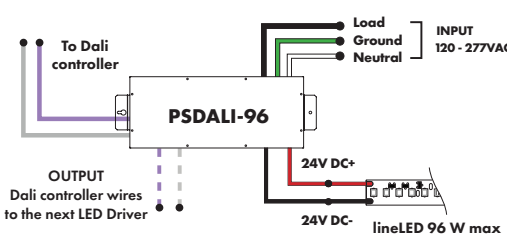


DALI 0% Dimming Power Supplies 120VAC - 277VAC

MODEL	POWER	OUTPUT
PSDALI - DALI Power Supply dims down to 0%	96 - 96 Watt 3X96 - 3 X 96 Watt	24 - 24 VDC

Features eldoLED's LINEARdrive configurable dimmable drivers

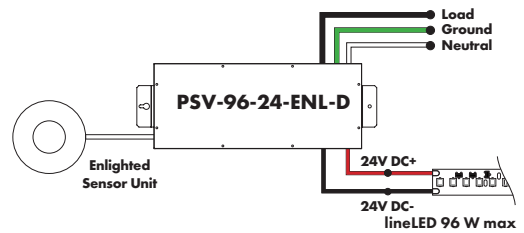
Model	96W	3X96
Length	14.40"	15.75"
Width	5.20"	6.62"
Depth	2.60"	4.95"



Enlighted Enabled Dimming Power Supplies 120VAC - 277VAC

MODEL	POWER	OUTPUT	DIMMING	LOCATION
PSV - PSV Series	96 - 96 Watt	24 - 24 VDC	ENL - Enlighted Dimming dims down to 0%	D - Damp

Model	96W
Length	14.40"
Width	5.20"
Depth	2.60"



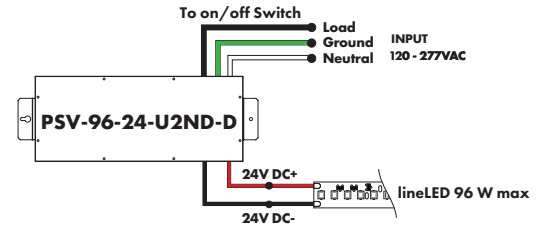
Power Supplies

See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

Non-Dimming Power Supply 120VAC - 277VAC

MODEL	POWER	OUTPUT	DIMMING	LOCATION
PSV - PSV Series	96 - 96 Watt	24 - 24 VDC	U2ND - Non Dimming	D - Damp

MODELS	96W
Length	14.40"
Width	5.20"
Depth	2.60"

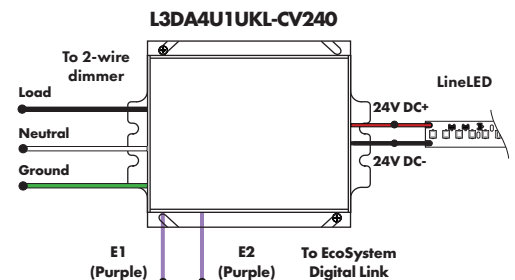
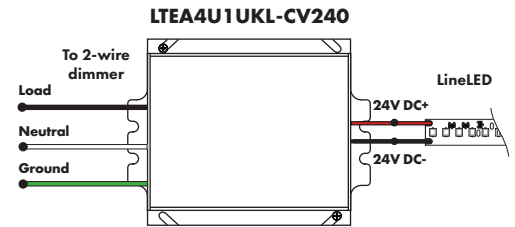


Luminii is a Lutron OEM Advantage Partner

Lutron Power Supplies 1%

MODEL	MODEL
LTEA4U1UKL-CV240	L3DA4U1UKL-CV240
Lutron - HiLume™ 1% 2-wire LED Driver 40W max	HiLume™ 1% EcoSystem Voltage LED driver 40W max
(120V forward phase only)	

MODELS	LTEA4U1UKL-CV240	L3DA4U1UKL-CV240
Length	4.89"	4.98"
Width	4.00"	4.00"
Depth	2.62"	2.62"

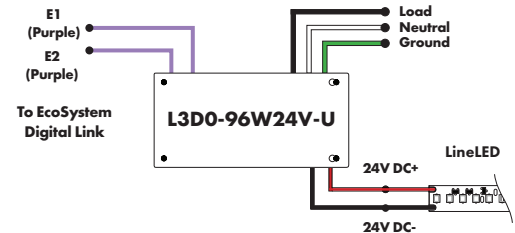


Luminii is a Lutron OEM Advantage Partner

Lutron Power Supplies 0.1%

MODEL
L3D0-96W24V-U
HiLume™ 0.1% EcoSystem Voltage LED Driver with Soft-On, Fade-to-Black™ 96W max

MODELS	L3D0
Length	10.50"
Width	5.50"
Depth	2.00"



In-Ground Power Supplies

MODEL	POWER	OUTPUT	INPUT
IG - In ground CVE Series	CVE - ELV Dimming DALI - eldoLED Dali dimming Both dims down to 0%	96X2 - 2 X 96 Watt	24 - 24 VDC
			Blank - 120 V 277 - 240/277 V

MODELS	Dual Circuit
Length	8.40"
Width	8.30"
Depth	8.10"

